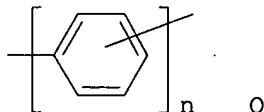
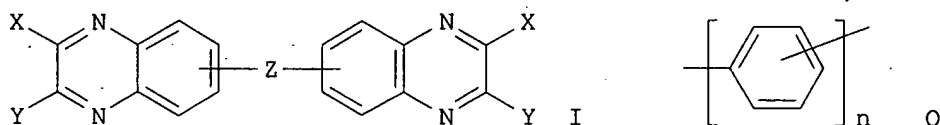


AN 1995:475962 HCAPLUS
 DN 122:277722
 TI Organic electroluminescent device having metal-quinoxaline mixed cathode
 IN Nakamura, Hiroaki; Hironaka, Yoshio; Kusumoto, Tadashi
 PA Idemitsu Kosan Co, Japan
 SO Jpn. Kokai Tokkyo Koho, 24 pp.
 CODEN: JKXXAF

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07026255	A2	19950127	JP 1993-173402	19930713 <--
PRAI	JP 1993-173402		19930713	<--	
OS	MARPAT 122:277722				
GI					



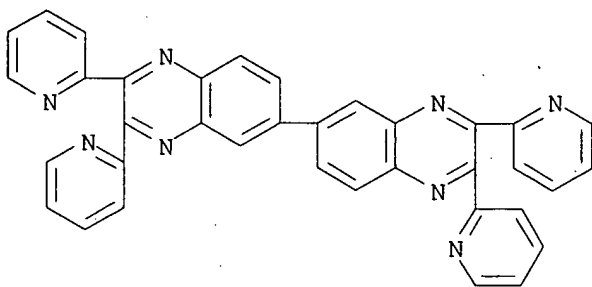
AB The device has a mixed cathode containing an electron-injecting metal and a quinoxaline derivative I (Z = none, O, SO₂, S, CH:CH, CO, CMe₂, C(CF₃)₂, naphthalene-1,4-diyl, naphthalene-3,7-diyl, (CH₂)_n, Q, (OC₆H₄)_nO; X, Y = H, C1-6 alkyl, C6-18 aryl, C3-12 heterocyclic group; aryl or heterocyclic group may be substituted with NO₂, NH₂, cyano, OH, CO₂H, methylthio, ethylthio, halo, C1-6 alkoxy, C1-6 alkoxy carbonyl, C1-8 dialkylamino, C2-12 dialkyleneoxy, or C1-6 alkylene(di)oxy; (n = 1-3). The device showed high luminescent efficiency and stability.

IT 81294-31-7P

RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
 (electroluminescent device having metal-quinoxaline mixed cathode with high luminescent efficiency)

RN 81294-31-7 HCAPLUS

CN 6,6'-Biquinoxaline, 2,2',3,3'-tetra-2-pyridinyl- (9CI) (CA INDEX NAME)



L71 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1995:408404 HCAPLUS
 DN 122:251631
 TI Organic electroluminescence device
 IN Hironaka, Yoshio; Shoji, Hiroshi; Hosokawa, Chicho